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Appl. No. 10/747,923 Amdt. dated December 23, 2008 Reply to Office Action of November 26, 2008 RECEIVED
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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (currently amended) A disposable absorbent article comprising a nanofabricated attachment means comprising adhesive hairs disposed on a flexible substrate wherein said hairs are effective to adhesively engage an opposing surface comprising a polymeric film or a fibrous web, wherein the attachment means has a packing density of at least 500 hairs per square millimeter, and wherein the hairs do not consist of a spatula or protrusion positioned at a terminal end of the hairs.
- 2. (canceled)
- 3. (original) The article of claim 1 wherein said hairs have an average diameter of about 50 microns or less and an average height-to-diameter ratio of about 3 or greater.
- 4. (original) The article claim 1 wherein said hairs are effective to adhesively engage an opposing surface comprising a polymeric film or fibrous web with an average adhesive force of 10 nanoNewtons or greater per hair.
- 5. (currently amended) A disposable absorbent article comprising a gecko-like adhesive fastener including a flexible substrate, a plurality of adhesive hairs rising from said substrate, said adhesive hairs each having a base section, a midsection, a top section, a height of about 0.5 microns to about 8 millimeters, and a diameter of about 0.05 microns to about 50 microns, wherein the hairs do not consist of a spatula or protrusion positioned at a terminal end of the top section.

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- 6. (canceled)
- 7. (original) The article of claim 5 wherein said hairs have a height of about 2 microns to about 1000 microns.
- 8. (original) The article of claim 5 wherein said hairs have a diameter of about 0.05 microns to about 10 microns.
- 9. (original) The article of claim 5 wherein said hairs are spaced apart by a first distance of about 1 micron to about 1000 microns.
- 10. (original) The article of claim 5 wherein said hairs are spaced apart by a second distance of about 1 micron to about 1000 microns.
- 11. (original) The article of claim 5 wherein the ratio of a first distance between said hairs to the diameter of said hairs is about 3 to about 100.
- 12. (original) The article of claim 5 wherein the ratio of a second distance between said hairs to the diameter of said hairs is about 3 to about 100.
- 13. (original) The article of claim 5 wherein the ratio of the height of said hairs to the diameter of said hairs is about 2 to about 1000.
- 14. (original) The article of claim 5 wherein at least one of said hairs is perpendicular to the plane of said substrate.

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- 15. (original) The article of claim 5 wherein at least one of said hairs is oriented at an angle between 0° and 90° to the plane of said substrate.
- 16. (original) The article of claim 5 wherein at least one of said hairs is axisymmetric.
- 17. (canceled)
- 18. (canceled)
- 19. (canceled)
- 20. (original) The article of claim 5 wherein at least one of said hairs is hollow.
- 21. (original) The article of claim 5 wherein said at least one hair comprises hollow materials, microspheres, carbon nanotubes, zeolites, or combinations thereof.
- 22. (original) The article of claim 5 wherein said hairs comprise molecules with hollow chambers.
- 23. (original) The article of claim 22 wherein said molecules are cyclodextrins, crown ethers, polyhedral oligomeric silsequioxanes, or combinations thereof.
- 24. (original) The article of claim 5 wherein said substrate is apertured.
- 25. (original) The article of claim 5 wherein said substrate is a liquid impervious web.

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- (original) The article of claim 5 wherein the thickness of said substrate comprises a repeating pattern of thickness variations.
- (original) The article of claim 5 wherein said substrate is creped, embossed, apertured, 27. coated, or combinations thereof.
- (original) The article of claim 27 wherein said coating is on at least one side of said substrate. 28.
- (original) The article of claim 27 wherein said coating is hydrophobic. 29.
- (original) The article of claim 27 wherein said coating is hydrophilic. 30.
- (original) The article of claim 27 wherein said coating is a metal oxide. 31.
- (original) The article of claim 27 wherein said metal oxide is titanium dioxide treated with a UV absorbing material that is thermally treated.
- (original) The article of claim 5 wherein said substrate comprises regions of elastic material.
- (original) The article of claim 5 wherein said substrate is substantially elastic and homogeneous.
- 35. (currently amended) The article of claim 5 wherein said substrate contains discrete eleastic elastic regions separated by less elastic regions.

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- 36. (currently amended) The article of claim 5 wherein said substrate contains discrete <u>eleastic</u> <u>elastic</u> regions separated by inelastic regions.
- 37. (original) The article of claim 5 wherein said fastener is stretchable.

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